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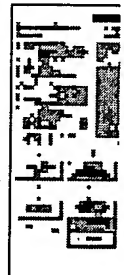
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Title: JP2001022620A2: DATABASE CHANGE PROCESSING OPTIMIZATION SYSTEM
Country: JP Japan
Kind: A2 Document Laid open to Public inspection
Inventor: ASADA KAZUSHIGE;
 IKEDA TETSUYA;
Assignee: RICOH CO LTD
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Abstract:



PROBLEM TO BE SOLVED: To shorten processing time for optimizing processing contents in accordance with respect operations such as insertion, deletion and updating of data in a database system.

SOLUTION: In accordance with an inquiry request inputted to an inquiry request input means 1, an inquiry optimizing means 2 generates an access plan 3. An inquiry executing means 5 executes the access plan 3, and a file access means 6 performs the data input/output of a database file 7 based on a request from the inquiry executing means 5. In retrieving operation for specifying data to be a change object, the access plane can efficiently be obtained by conventional techniques. The change operation (insertion, deletion or updating) of a database is converted to the access plan consisting of set operation in accordance with the retrieving operation and optimizing processing to the retrieving operation is applied to that access plan, so that the efficiency in change processing of the database to be finally executed can be improved.

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